


<b>REISSUE APPLICATION DECLARATION BY THE ASSIGNEE</b>		Docket Number (optional) 0315-000451/REK
<p>I hereby declare that:</p> <p>My residence and post office address and citizenship are stated below next to my name.</p> <p>I am authorized to act on behalf of the following assignee: <u>Copeland Corporation</u></p> <p>and the title of my position with said assignee is: <u>Vice President, Research</u></p> <p>The entire title to the patent identified below is vested in said assignee.</p>		
Name of Patentee(s): Hung M. Pham et al.		
Patent Number 6,499,305	Date of Patent Issued December 31, 2002	
Title of Invention Adaptive Control For A Refrigeration System Using Pulse Width Modulated Duty Cycle Scroll Compressor		
<p>I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled <u>Adaptive Control For A Refrigeration System Using Pulse Width Modulated Duty Cycle Scroll Compressor</u>.</p> <p>the specification of which</p> <p><input checked="" type="checkbox"/> is attached hereto.</p> <p><input type="checkbox"/> was filed on _____ as reissue application number _____ / _____</p> <p style="padding-left: 40px;">and was amended on _____</p> <p style="text-align: center;">(If applicable)</p> <p>I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.</p> <p>I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.</p> <p>I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)</p> <p><input type="checkbox"/> by reason of a defective specification or drawing.</p> <p><input checked="" type="checkbox"/> by reason of the patentee claiming more or less than he had the right to claim in the patent.</p> <p><input type="checkbox"/> by reason of other errors.</p> <p>At least one error upon which reissue is based is described as follows: Patentee did not claim the subject matter of Col. 3, Ins. 35-42; Col. 4, Ins. 4-16; Col. 6, Ins. 38-48; Col. 7, Ins. 54-63; Col. 8, In. 37-Col. 9, In. 26; Col. 10, In. 27-Col. 11, In. 19; and Col. 15, In. 50-Col. 17, In. 47, among other parts of the specification, as well as the drawings, of which they were entitled.</p> <p style="text-align: center;">[Attach additional sheets, if needed.]</p> <p>All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.</p>		



<b>(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE)</b>				Docket Number (Optional ) 0315-000451/REK	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.					
Name(s)		Registration Number			
Charles H. Blair				19,734	
Michael Malinzak				43,770	
Correspondence Address: Direct all communications about the application to:					
<input checked="" type="checkbox"/> Customer Number		27572		→ 	
<b>OR</b>		Type Customer Number Here			
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
City		State		Zip	
Country					
Telephone		Fax			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.					
Full name of person signing (given name, family name) Jean-Luc Caillat					
Signature <i>Jean-luc Caillat</i>				Date <i>January 6th 2004</i>	
Address of Assignee 1675 West Campbell Road, Sidney, Ohio 45365					
Patentee Hung M. Pham				Citizenship USA	
Residence/Post Office Address 6671 Still Mead Drive, Dayton, Ohio 45414					
Patentee Abtar Singh				Citizenship India	
Residence/Post Office Address 2948 Monrovia Trail, Kennesaw, Georgia 30144					
<input checked="" type="checkbox"/> Additional Patentees are named on separately numbered sheets attached hereto.					

**ADDITIONAL PATENTEES**

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USA

Mark Bass  
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USA

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>REISSUE APPLICATION: CONSENT OF ASSIGNEE; STATEMENT OF NON-ASSIGNMENT</b>		Docket Number (Optional) 0315-000451/REK
This is part of the application for a reissue patent based on the original patent identified below.		
Name of Patentee(s) Hung M. Pham et al.		
Patent Number 6,499,305	Date Patent Issued December 31, 2002	
Title of Invention Adaptive Control For A Refrigeration System Using Pulse Width Modulated Duty Cycle Scroll Compressor		
<p>1. <input checked="" type="checkbox"/> Filed herein is a certificate under 37 CFR 3.73(b). (Form PTO/SB/96)</p> <p>2. <input type="checkbox"/> Ownership of the patent is in the inventor(s), and no assignment of the patent has been made.</p> <p>One of boxes 1 or 2 above must be checked. If multiple assignees, complete this form for each assignee. If box 2 is checked, skip the next entry and go directly to "Name of Assignee".</p> <p>The written consent of all assignees and inventors owning an undivided interest in the original patent is included in this application for reissue.</p>		
The assignee owning an undivided interest in said original patent is/are <u>Copeland Corporation</u> and the assignee(s) consents to the accompanying application for reissue.		
Name of assignee/inventor (if not assigned)  Copeland Corporation		
Signature 	Date 	
Typed or printed name and title of person signing for assignee (if assigned)  Jean-Luc Caillat, Vice President, Research		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Hung M. Pham et al.Application No./Patent No.: 6,499,305Filed/Issue Date: December 31, 2002Entitled: Adaptive Control For A Refrigeration System Using Pulse Width Modulated Duty Cycle Scroll CompressorCopeland Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 8985, Frame 0458, and Reel 9002, Frame 0517, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

January 6th, 2004  
Date

Jean-Luc Caillat  
Signature  
Jean-Luc Caillat  
Typed or printed name  
Vice President, Research  
Title